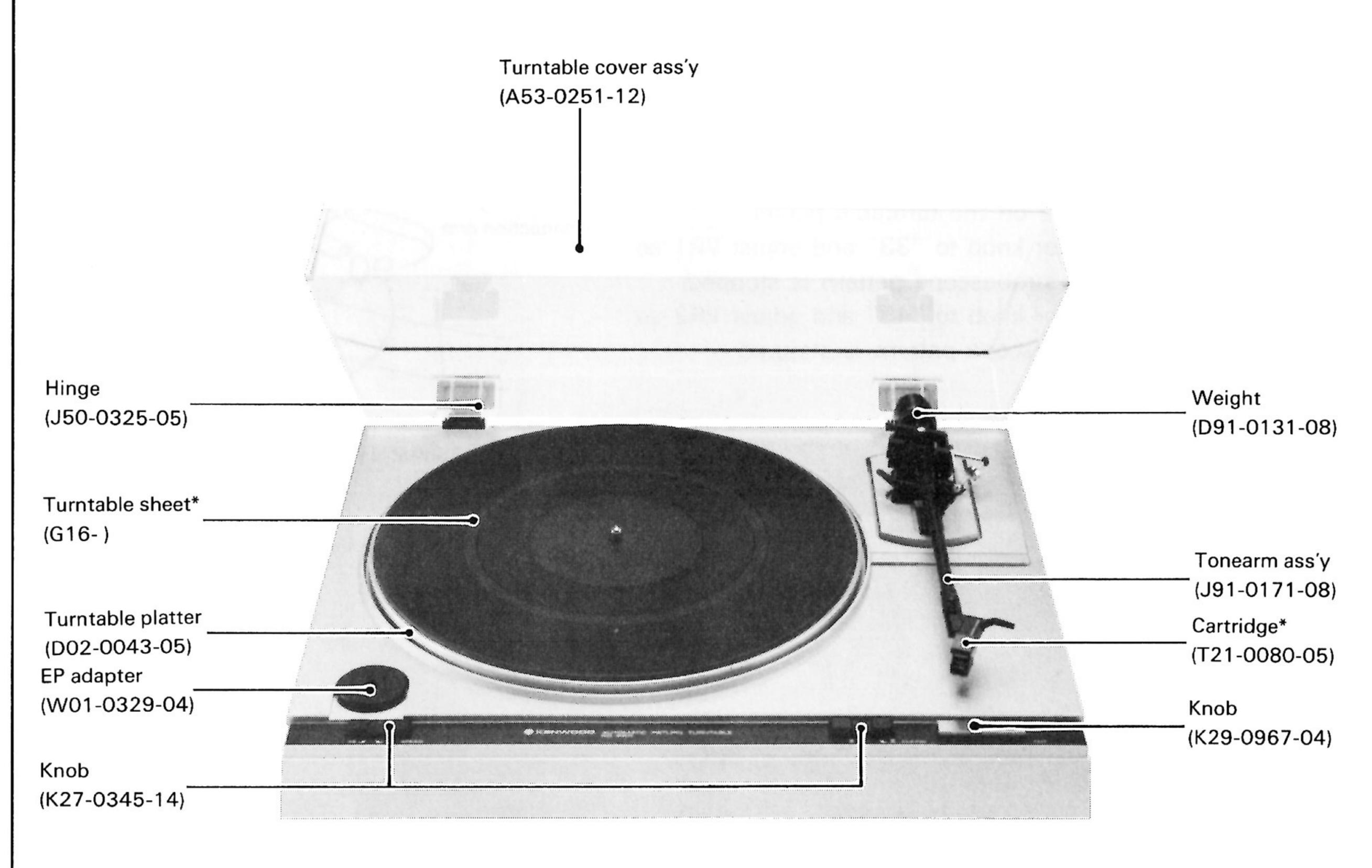
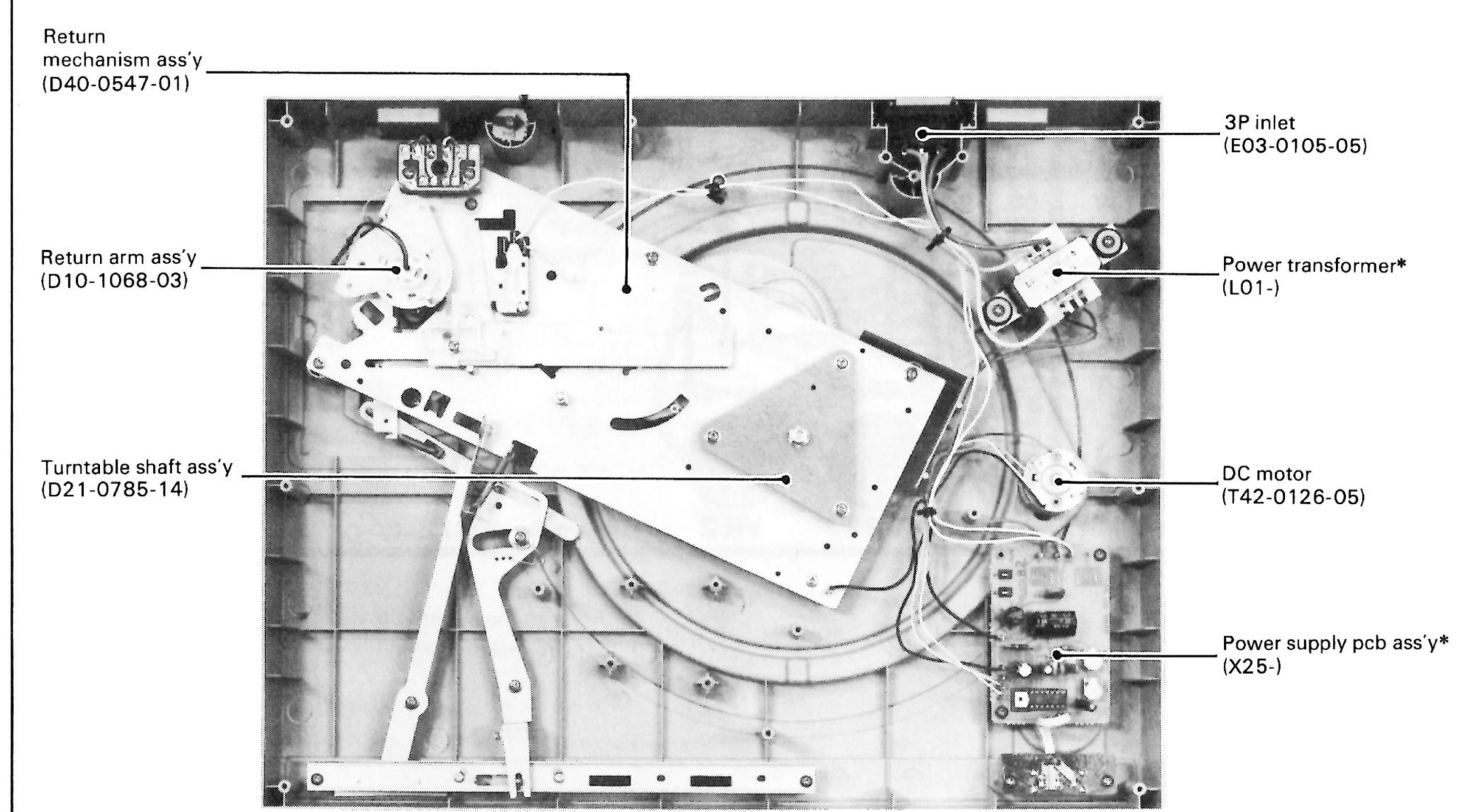


AUTOMATIC RETURN TURNTABLE





Refer to KD-33F Service Manual on mechanism and circuit description.

*Refer to Parts List (P4).

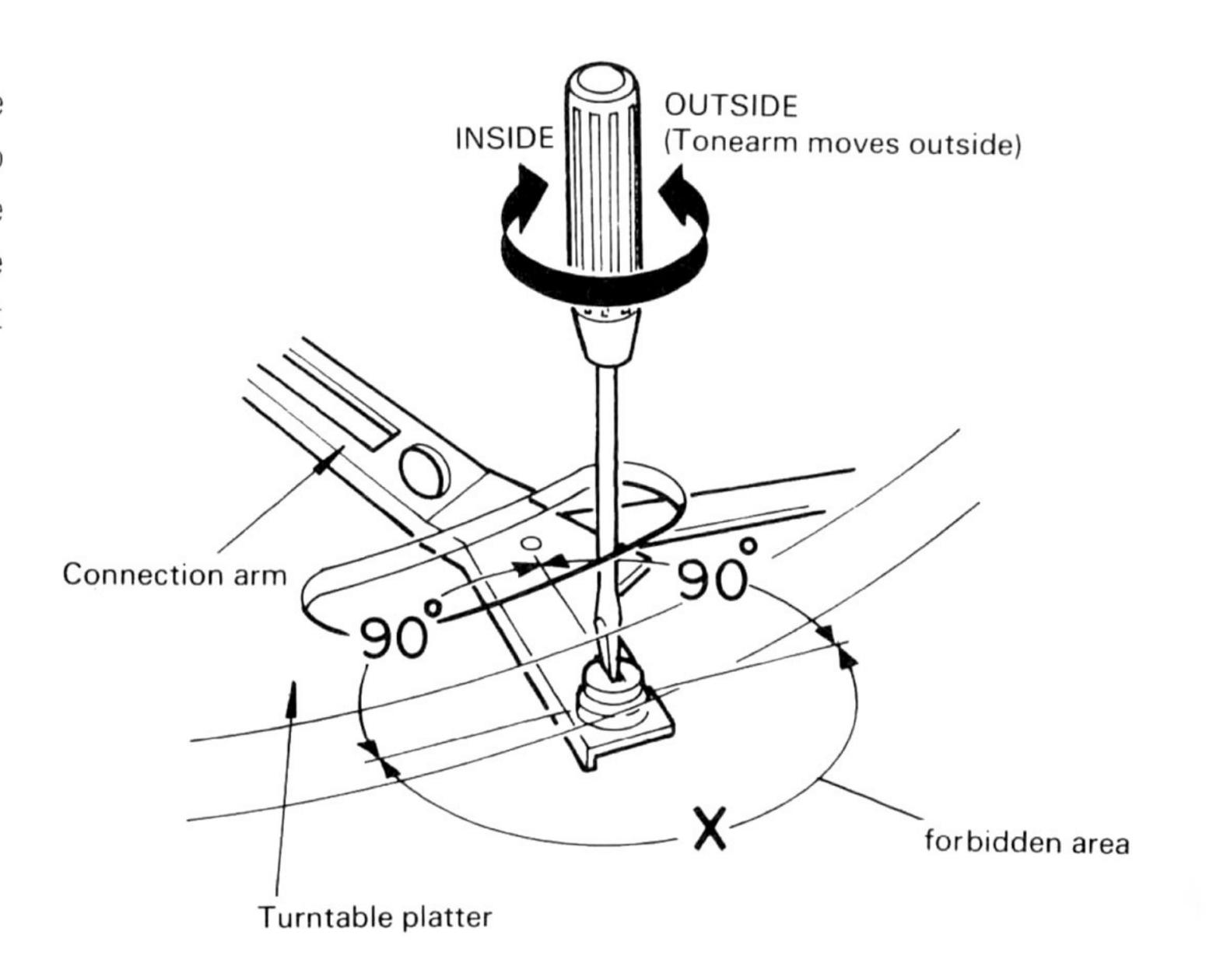
ADJUSTMENT/PC BOARD

How to Adjust the Auto-return Position

Remove the turntable sheet before adjustment procedure. Adjustment procedure should be done at the cutouts of the turntable platter. Use the test record (SS-4444: Toshiba) to adjust the auto-return position. Adjust the adjuster on the connection arm for detection operating arm so that the auto-return action starts at the $1 \sim 4$ count of the test record.

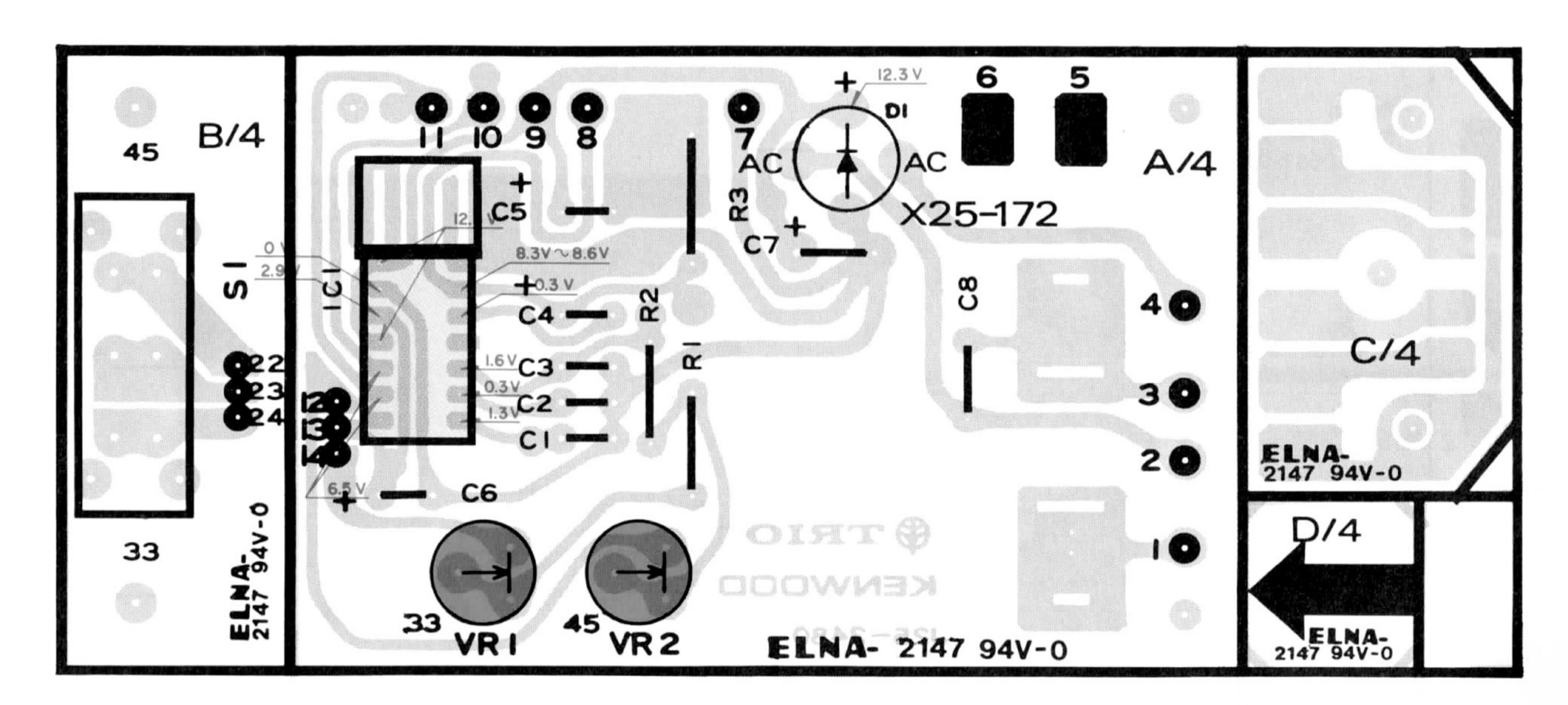
How to Adjust DD Motor Speed Adjustment

- 1. Place the stroboscope on the turntable platter.
- 2. Set the speed selector knob to "33" and adjust VR1 so that the 33-1/3rpm stroboscope pattern is stopped.
- 3. Set the speed selector knob to "45" and adjust VR2 so that the 45rpm stroboscope pattern is stopped.



[Adjustment Point]

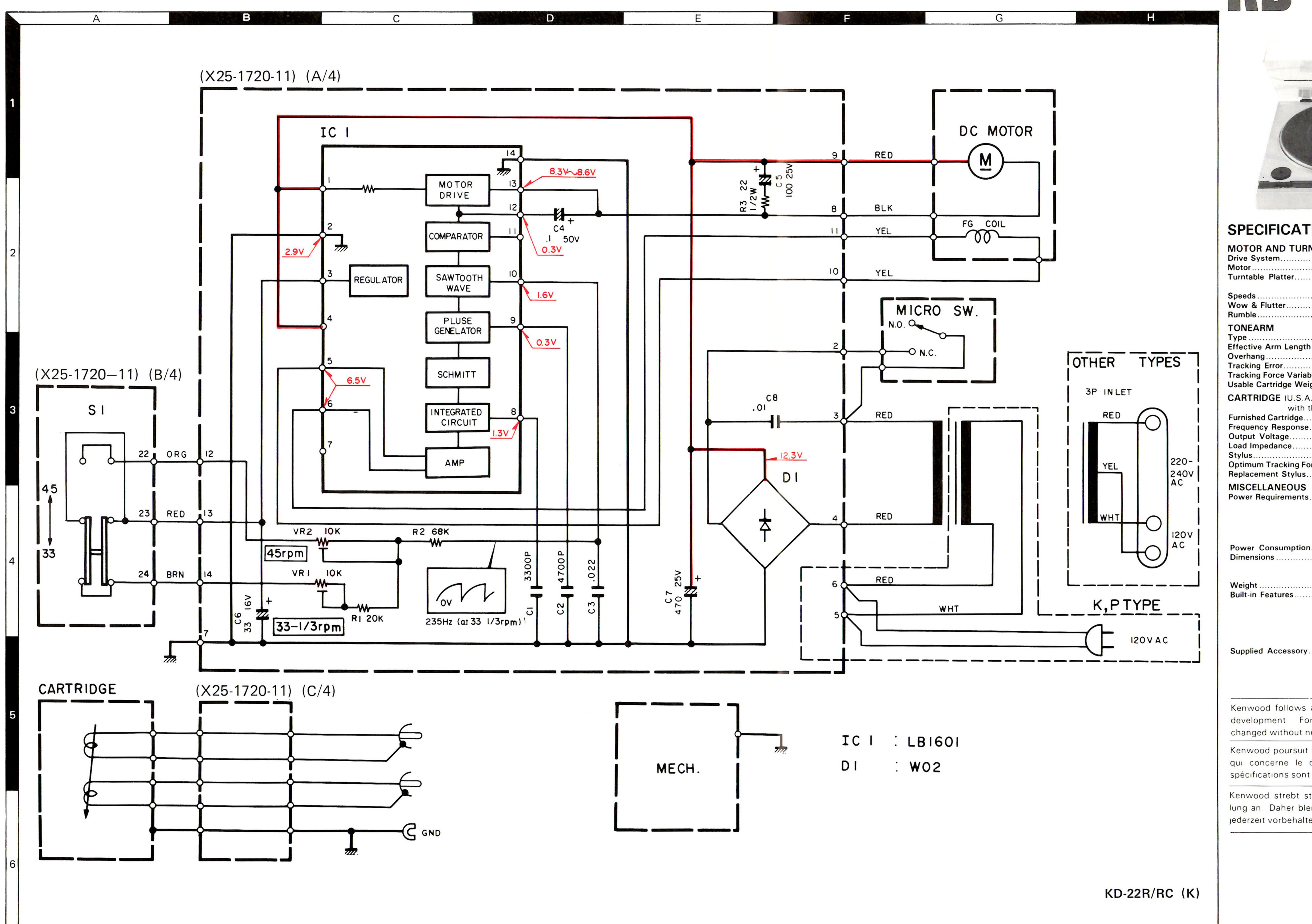
POWER SUPPLY (X25-1720-11) Component side view



Refer to the schematic diagram for the value of resistors and capacitors. The PC board drawing is viewed from the side easy to check.

ØKENVOOD®

AUTOMATIC RETURN TURNTABLE





SPECIFICATIONS

Turntable Platter Speeds Wow & Flutter	Frequency generator servo motor 30 cm (12 inch) diameter Aluminum alloy, die-cast 2 speeds, 33-1/3 and 45 rpm
TONEARM Type Effective Arm Length Overhang Tracking Error Tracking Force Variable Range	Static-balance type, Straight tubular at 225 mm (8-7/8 inch) 15 mm (9/16 inch) + 3°24' to -1°
	da models (KD-22R) are not equipped
Furnished Cartridge Frequency Response Output Voltage Load Impedance Stylus Optimum Tracking Force Replacement Stylus	V-50A (Moving Magnet type) 20~20,000 Hz 2.5 mV (1,000 Hz, 5 cm/sec.) 47 k ohms 0.7 mil diamond 1.5 + 0.3, -0 grams
MISCELLANEOUS Power Requirements	AC 120 V, 60 Hz: U.S.A. and Canada Models AC 240 V, 50 Hz: U.K. Model AC 120 V/220-240V (Switchable), 50/60 Hz: Other countries
Power Consumption Dimensions	

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

D 364 mm (14-11/32")

Oil-damped cueing device

Tracking force direct readout counter

4.3 kg (9.5 lb)

. Auto return system

Anti-skating device

Built-in isolators

.45 rpm adaptor

45 rpm adaptor stand

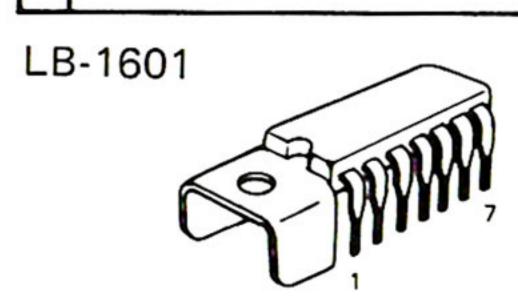
Kenwood poursuit une politique de progrès constants en ce qui concerne le développement Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt standige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

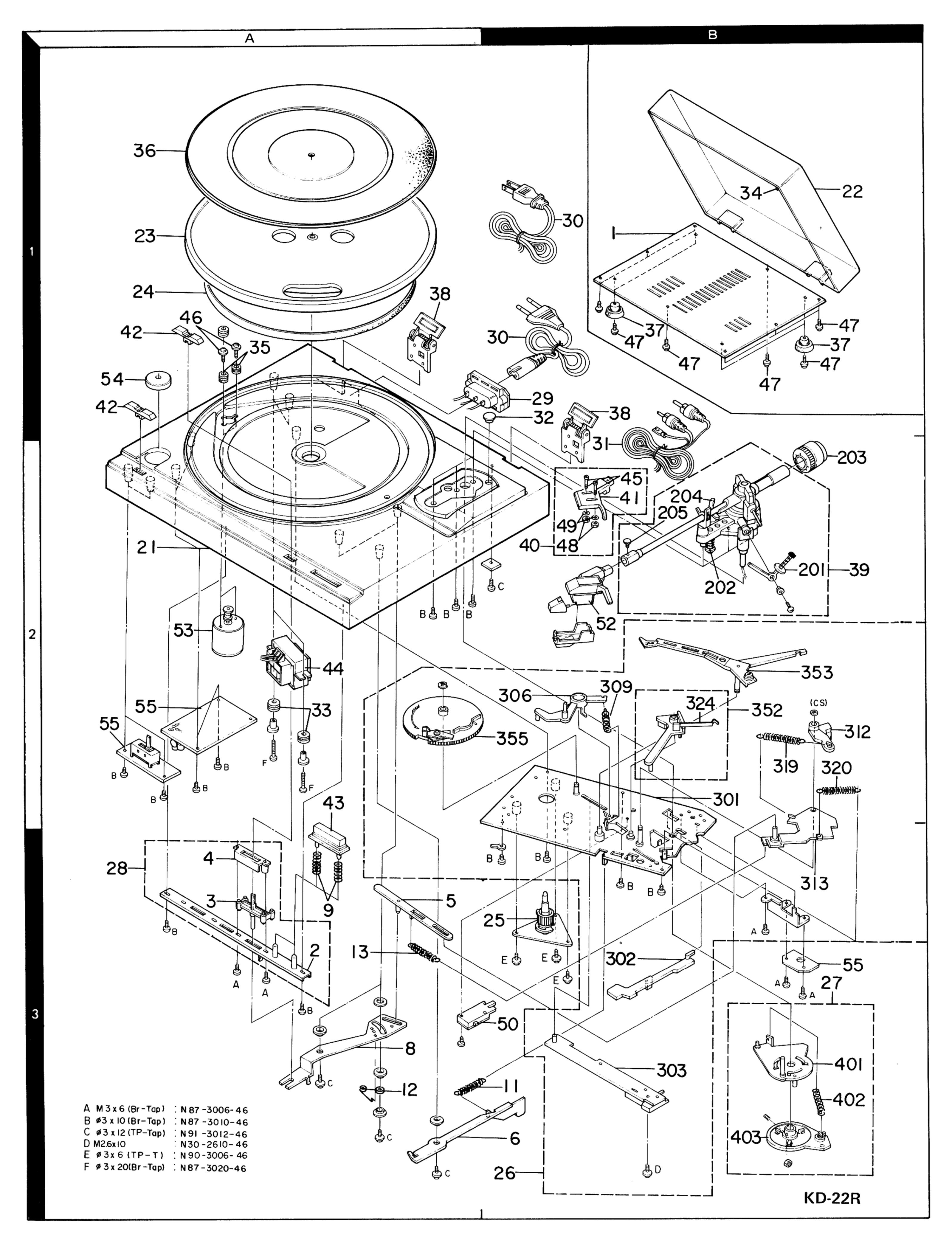


 Les tensions de courant continu sont measurées par un multimètre d'une impédance d'entrée de 20 k Ω /V.

 Die Gleichstrom-Spannungen werden durch ein Vielfachmeßgerät von 20 k Ω /V Eingangs-Impedanz gemessen.



EXPLODED VIEW



* New parts

PARTS LIST

Parts without **Parts No.** are not supplied. Les articles non mentionnés dans le **Parts No.** ne sont pas fournis. Teile ohne **Parts No.** werden nicht geliefert.

Re	ef. No.	Parts No.	Description	Re-
参	照番号	部品番号	部品名/規格	marks 備考
	KD-2	2R/RC		
1 2 3 4	1 B 3 A 3 A 3 A	NO STOCK NO STOCK NO STOCK NO STOCK NO STOCK	BOTTOM PLATE OPERATION PLATE ASSY SLIDER STOPPER PLATE CUE CONNECTION BAR ASSY	
6 8 9 11 12	3 B 3 A 3 B 3 A	NO STOCK NO STOCK NO STOCK NO STOCK NO STOCK	PLAY CUT LEVER EL ARM COMPRESSION SPRING TENSION SPRING(1) TORSION SPRING(2)	
13	3 A	NO STOCK	TENSION SPRING(2)	
21 22	2 A 1 B	A02-0369-15 A53-0251-12	PLASTIC CABINET TURNTABLE COVER ASSY	
-		B46-0055-30 B46-0060-00 B46-0061-30 B46-0062-30 B46-0062-30	WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD	P T K UH UE
		B46-0063-13 B46-0063-13 B46-0064-20 B46-0078-03 B50-4245-00	WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD INSTRUCTION MANUAL	UH UE X E
		B50-4245-00 B50-4245-00 B50-4246-00 B50-4247-00	INSTRUCTION MANUAL INSTRUCTION MANUAL INSTRUCTION MANUAL INSTRUCTION MANUAL INSTRUCTION MANUAL	UE KH *P MX *E
-		B50-4248-00 B50-4249-00	INSTRUCTION MANUAL	*M *Ţ
23 24 25 26 27	1 A 1 A 3 B 3 B	D02-0043-05 D16-0253-03 D21-0785-14 D40-0547-01 D10-1068-03	TURNTABLE PLATTER BELT TURNTABLE SHAFT ASSY RETURN MECHANISM ASSY RETURN ARM ASSY	*
28	2 A	040-0551-03	OPERATION MECHANISM ASSY	*
29 29 29 29	1 B 1 B 1 B 1 B	E03-0105-05 E03-0105-05 E03-0105-05 E03-0105-05 E30-1305-15	3P INLET 3P INLET 3P INLET POWER CORD	UM HX UE TE UM
30 30 30 30	1 B 1 B 1 B 1 B	E30-1305-15 E30-1305-15 E30-1328-15 E30-1329-05 E30-1342-05	POWER CORD POWER CORD POWER CORD POWER CORD POWER CORD	H UE T E X
30 31 31 31	1 B 2 B 2 B 2 B	E30-1350-05 E30-1351-25 E30-1351-25 E30-1351-25	POWER CORD AUDIO CORD AUDIO CORD AUDIO CORD	KP PU MH UE XT
31 31	2 B 2 B	E30-1351-25 E30-1352-25	AUDIO CORD	E
32	1 B	F19-0504-04	HOLE CAP	к
33 34 35	2 A 1 B 1 A	G13-0414-04 G13-0456-14 G13-0487-04	CUSHION	

Ref. No.	Parts No.	Description	Re-
参照番号	部品番号	部品名/規格	marks
36 1A 36 1A 36 1A 36 1A 36 1A	G16-0343-12 G16-0343-12 G16-0343-12 G16-0343-12	TURNTABLE SHEET TURNTABLE SHEET TURNTABLE SHEET TURNTABLE SHEET TURNTABLE SHEET	PU MH UE XT E
36 1A	G16-0356-02	TURNTABLE SHEET	K
	H01-4326-04 H01-4326-04 H01-4326-04 H01-4326-04	CARTON BOX KD=22R	* K PU MH UE XE
	H01-4327-04 H01-4334-04 H10-2310-02 H10-2311-03 H10-2312-03	CARTON BOX KD-22RC CARTON BOX KD-22RC POLYSTYRENE FIXTURE(A) POLYSTYRENE FIXTURE(B) POLYSTYRENE FIXTURE(C)	*T *K
	H20-1106-04 H21-0611-04 H25-0029-04 H25-0625-04	COVER SHEET BAG BAG (235X315) BAG	
37 1B 38 1A 39 2B 40 2B 41 2B	J02-0347-04 J50-0325-05 J91-0171-08 J92-0076-05 J92-0077-05	FOOT HINGE TONEARM ASSY HEAD SHELL ASSY KD-22R HEAD SHELL KD-22R	K T K T
42 1A 43 2A	K27-0345-14 K29-0967-04	KNOB KNOB	
44 2A 44 2A 44 2A 44 2A	L01-6501-05 L01-6504-05 L01-6507-05 L01-6507-05	POWER TRANS POWER TRANS POWER TRANS POWER TRANS POWER TRANS	K P T E U M H X
45 2B 45 2B 46 1A 47 1B	N09-0938-08 N09-0850-04 N09-0851-04 N09-0977-05 N09-0988-05	SCREW M2.6X10 KD-22R SCREW M2.6X15 KD-22R SCREW SCREW	KT
48 28 49 28	N14-0412-04 N19-0267-05	NUT M2.6 KD-22R WASHER M2.6 KD-22R	KT KT
50 3B	s50-1015-05	SENSITIVE SWITCH	
52 2B 52 2B 52 2B 52 2B 52 2B	T21-0080-05 T21-0080-05 T21-0080-05 T21-0080-05 T21-0080-05	CARTRIDGE KD-22RC CARTRIDGE KD-22R CARTRIDGE KD-22R CARTRIDGE KD-22R CARTRIDGE KD-22R	K UM HX EP
53 2A	T42-0126-05	DC MOTOR	
54 1A	w01-0329-04	EP ADAPTER	
55 2A 55 2A 55 2A 55 2A 55 2A	x25-1720-11 x25-1720-11 x25-1720-82 x25-1720-82 x25-1720-82	POWER SUPPLY PCB ASSY	*K P *U MH UE
55 2A 55 2A	x25-1720-82 x25-1720-82	POWER SUPPLY PCB ASSY POWER SUPPLY PCB ASSY	X T
	VER SUPPLY ()		
C 1 C 2	C45-1733-25 C45-1747-25	MYLAR 0.0033UF J MYLAR 0.0047UF J	

K: USA

U: PX

E: Europe

M: Other area

P: Canada UE: AAFES H: Audio club X: Australia

ralia T: England

KD-22RC (with cartridge) is sold in USA.

PARTS LIST

* New parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No.	Parts No.	Description	Re-
参照番号	部品番号	部品名/規格	marks
			-
C 3	c50-2022-34	POLYPRO 0.022UF G	
C 4	c24-1710-57	ELECTRO 1UF 50WV	
C 5	C24-1410-77	ELECTRO 100UF 25WV	1
C 6	c24-1233-67	ELECTRO 33UF 16WV	
C 7	C24-1447-77	ELECTRO 470UF 25WV	
C 8	c91-0023-05	CERAMIC 0.01UF AC250V	
R 3	R42-1322-05	FL-PROOF RD22 J 2H	
VR1 ,2	R12-3045-05	TRIMMING POTENTIOMETER	
s 1	s31-2316-05	SLIDE SWITCH	
D 1 I C 1	v11-2400-20 v30-0738-10	W02 LB1601	
	EARM (J91-01)		•
201 2B	D19-0243-08	CANCELLER ASSY	
202 28	D21-0791-08	LIFTER	
203 28	D91-0131-08	WEIGHT	1
204 28		LIFTER PLATE	
205 28	 	DRESSED SCREW	1
	Υ	ISM (D40-0547-01)	
301 2B	NO STOCK	SUB CHASSIS	
302 3B	NO STOCK	SWITCH ARM C	
303 3B	NO STOCK	SLIDER R ASSY	
306 2B 309 2B	NO STOCK NO STOCK	SET ARM R TENSION SPRING F	
J V ,		I CHURUN SPRING P	
312 2B	NO STOCK	EL CAM	
313 3B	NO STOCK	EL DAMPER	
319 2B	NO STOCK	TENSION SPRING D	1
320 2B	NO STOCK	TENSION SPRING E	
324 2B	NO STOCK	FLAT SPRING	
352 2B	D10-1049-03	ACTION ARM ASSY	
353 2B	D10-1053-02	CONNECTION ARM ASSY	
355 2B	D13-0230-03		<u></u>
	RN ARM (D10	r	·,
401 3B 402 3B	NO STOCK	RETURN ARM	
402 3B	NO STOCK NO STOCK	COIL SPRING RETURN BASE	
403 JU	5 5 5	\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
27 3B	D10-1068-03	RETURN ARM ASSY	
	_	1	1
			1

Ref. No.	Parts No.	Description	Re-
参照番号	部品番号	部品名/規格	mar # 4

K: USA

U: PX

E: Europe

M: Other area

P: Canada H: Audio club

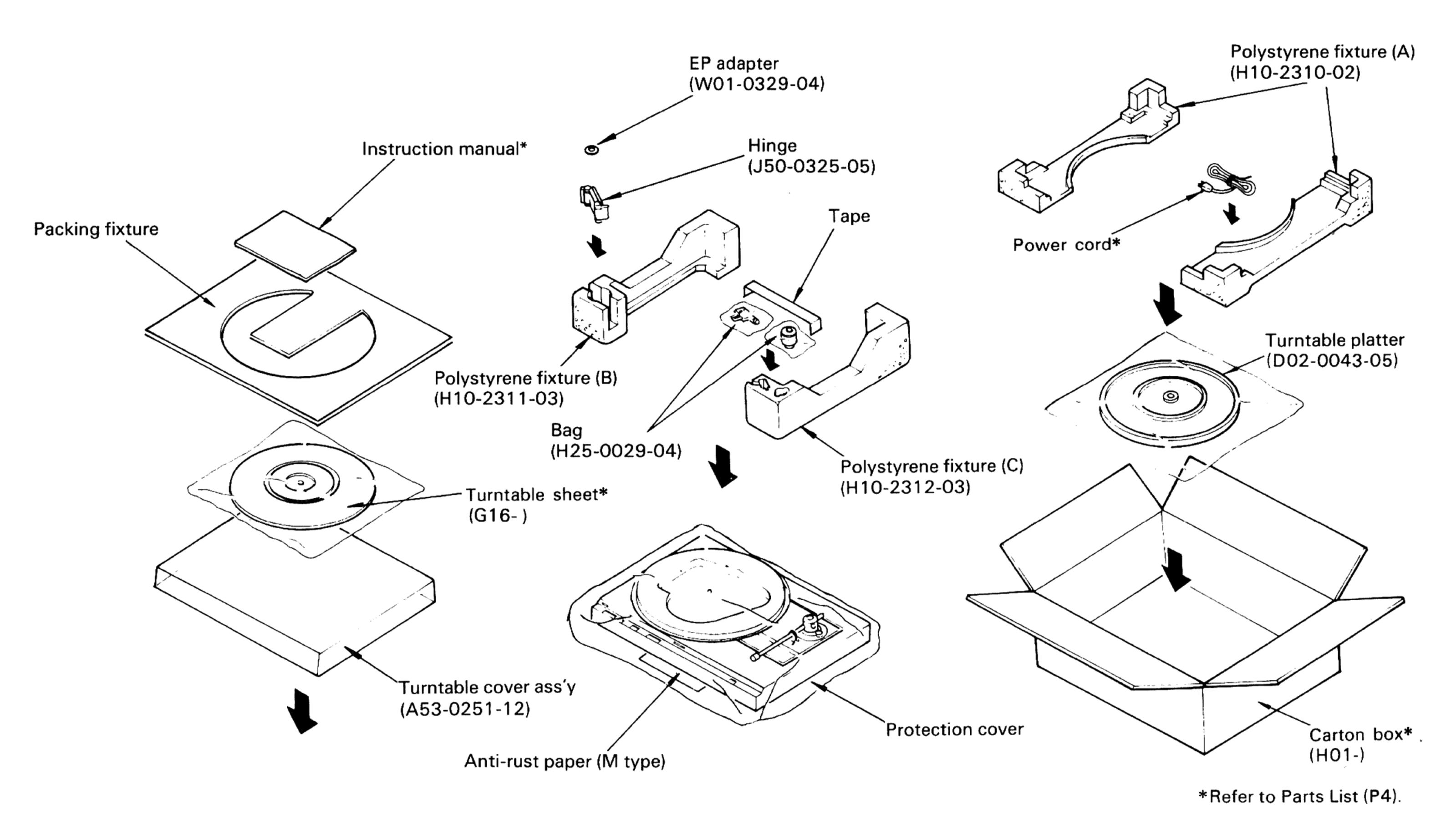
X: Australia

T: England

UE: AAFES

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KENWOOD U.S.A. CORPORATION

1315 E. Watsoncenter Rd, Carson, California 90745, U.S.A. 75 Seaview Drive, Secaucus, New Jersey 07094, U.S.A. 1141 North Tower Lane, Bensenville, Illinois 60106, U.S.A.

TRIO-KENWOOD CANADA INC.

1070 Jayson Court, Mississauga, Ontario, Canada L4W 2V5

TRIO-KENWOOD ELECTRONICS, N.V. Leuvensesleenweg 504 B-1930 Zaventem, Belguim

TRIO-KENWOOD ELECTRONICS GmbH

Rudolf-Braas-Str 20, 6056 Heusenstamm, West Germany

TRIO-KENWOOD FRANCE S.A.

5, Boulevard Ney, 75018 Paris, France

TRIO-KENWOOD AG

Unterboesh 6331 Huenenberg/ZUG Switzerland

TRIO-KENWOOD (AUSTRALIA) PTY. LTD.

4E Woodcock Place, Lane Cove. N.S.W. 2066, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Wang Kee Building, 5th Floor, 34-37, Connaught Road, Central, Hong Kong

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